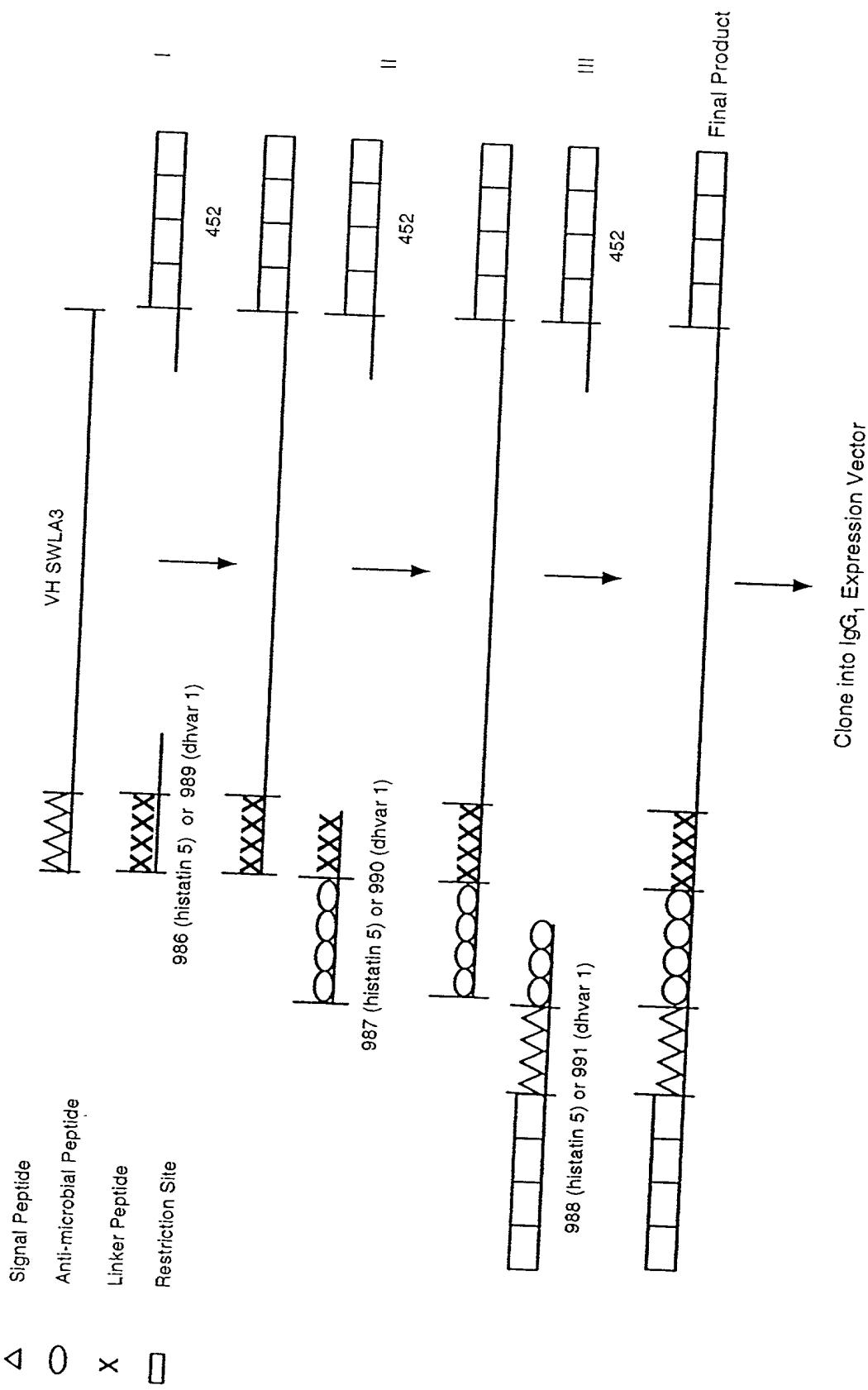


FIG. 1

## Sequential PCR Reactions: Addition of Fusion Protein Gene Components to VH SWLA3



CP of Apphn. No. 09/101,358 for Anti-Microbial Targeting Chhemic Pharamaceutcal Express Mail Certificate No. EL864388539US Attorney Docket No. 2101363-991201 Gray Cary et al. - NW/415-836-2500 Applicants. Wenyu Sun Shu, et al. Sheet 1 of 4

***FIG. 2***

**Primers used in Sequential PCR Reactions:**

986 (SEQ ID NO: 7) 5' CAC CAC TCG CAC AGA GGA TAC TCT GGT GGC GGT GGC TCG  
GGC GGA GGT GGG TCG GGT GGC GGC GGA TCC GAC GTG AAG CTT GTG GAG TC 3'

987 (SEQ ID NO: 8) 5' GGT GTC CAG TGT GAT AGC CAC GCT AAG CGG CAC CAC GGA  
TAT AAG CGG AAG TTC CAC GAG AAG CAC CAC TCG CAC AGA GGA TAC 3'

988 (SEQ ID NO: 9) 5' G GATATC CACC ATG GAC TTC GGG TTG AGC TTG GTT TTC CTT  
GTC CTT ACT TTA AAA GGT GTC CAG TGT GAT AGC C 3'

989 (SEQ ID NO: 10) 5' G TTC AGC CTG CGC AAG TAC TCT GGT GGC GGT GGC TCG GGC  
GGA GGT GGG TCG GGT GGC GGC GGA TCC GAC GTG AAG CTT GTG GAG TC 3'

990 (SEQ ID NO: 11) 5' GTC CTT ACT TTA AAA GGT GTC CAG TGT AAG CGG CTG TTT  
AAG GAG CTC AAG TTC AGC CTG CGC AAG TAC 3'

991 (SEQ ID NO: 12) 5' G GATATC CACC ATG GAC TTC GGG TTG AGC TTG GTT TTC CTT  
GTC CTT ACT TTA AAA GGT GTC CAG 3'

452 (SEQ ID NO: 13) 5' TGG GTC GAC WGA TGG GGS TGT TGT GCT AGC TGA GGA GAC 3'

## FIG. 3

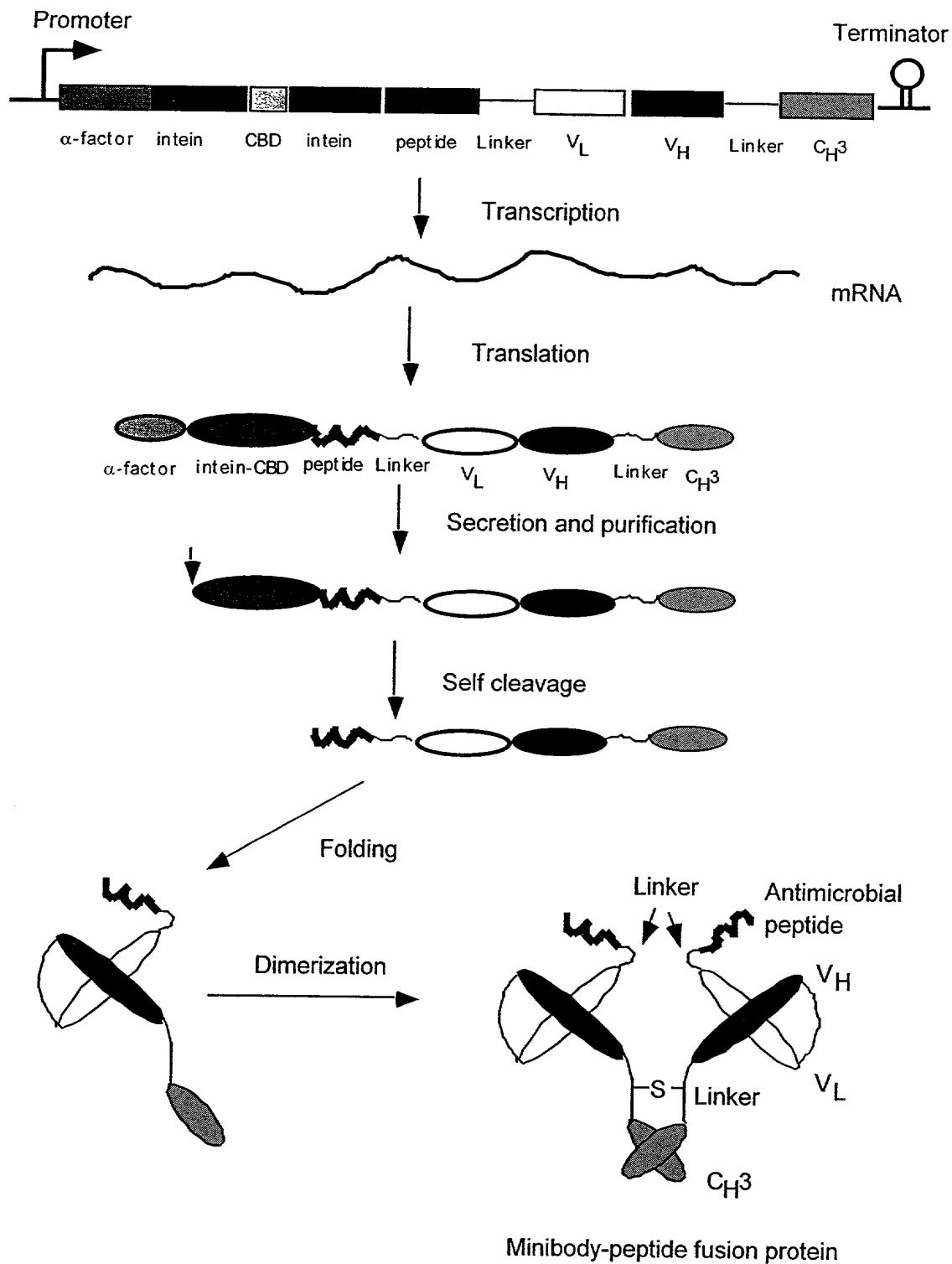
### Histatin 5 Fusion to VH SWLA3: DNA and Amino Acid Sequence

ggatatccac catggacttc gggttgagct tggtttcct tgccttact taaaagggtg tccagtgt  
gat agc cac gct aag cgg cac cac gga tat aag cgg aag ttc cac gag aag cac cac tcg  
Asp Ser His Ala Lys Arg His His Gly Tyr Lys Arg Lys Phe His Glu Lys His His Ser  
cac aga gga tac tct ggt ggc ggt ggc tcg ggc gga ggt ggg tcg ggt ggc ggc gga tcc  
His Arg Gly Tyr Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Ser  
gac gtg aag ctt gtg gag tct ggg gga ggc tta gtg aac cct gga ggg tcc ctg aaa ctc  
Asp Val Lys Leu Val Glu Ser Gly Gly Leu Val Asn Pro Gly Gly Ser Leu Lys Leu  
tcc tgt gca gcc tct gga ttc act ttc agt agc tat acc atg tct tgg gtt cgc cag act  
Ser Cys Ala Ala Ser Gly Phe Thr Ser Ser Tyr Thr Met Ser Trp Val Arg Gln Thr  
ccg gag aag agg ctg gag tgg gtc gca tcc att agt agt ggt act tac acc tac tat  
Pro Glu Lys Arg Leu Glu Trp Val Ala Ser Ile Ser Ser Gly Gly Thr Tyr Thr Tyr Tyr  
cca gac agt gtg aag ggc cga ttc acc atc tcc aga gac aat gcc aag aac acc ctg tac  
Pro Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr  
ctg caa atg acc agt ctg aag tct gag gac aca gcc atg tat tac tgt tca aga gat gac  
Leu Gln Met Thr Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys Ser Arg Asp Asp  
ggc tcc tac ggc tcc tat tac tat gct atg gac tac tgg ggt caa gga acc tca gtc acc  
Gly Ser Tyr Gly Ser Tyr Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr  
gtc tct tca gct agc  
Val Ser Ser Ala Ser

## FIG. 4

### Dhvar 1 Fusion to VH SWLA3: DNA and Amino Acid Sequence

ggatatccac catggacttc gggttgagct tggtttcct tgccttact taaaagggtg tccagtgt  
aag cgg ctg ttt aag gag ctc aag ttc agc ctg cgc aag tac tct ggt ggc ggt ggc tcg  
Lys Arg Leu Phe Lys Glu Leu Lys Phe Ser Leu Arg Lys Tyr Ser Gly Gly Ser Gly Ser  
ggc gga ggt ggg tcg ggt ggc ggc gga tcc gac gtg aag ctt gtg gag tct ggg gga ggc  
Gly Gly Ser Gly Gly Ser Asp Val Lys Leu Val Glu Ser Gly Gly Gly  
tta gtg aac cct gga ggg tcc ctg aaa ctc tcc tgc gca gcc tct gga ttc act ttc agt  
Leu Val Asn Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser  
agc tat acc atg tct tgg gtt cgc cag act ccg gag aag agg ctg gag tgg gtc gca tcc  
Ser Tyr Thr Met Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu Glu Trp Val Ala Ser  
att agt agt ggt ggt act tac acc tac tat cca gac agt gtg aag ggc cga ttc acc atc  
Ile Ser Ser Gly Gly Thr Tyr Tyr Pro Asp Ser Val Lys Gly Arg Phe Thr Ile  
tcc aga gac aat gcc aag aac acc ctg tac ctg caa atg acc agt ctg aag tct gag gac  
Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln Met Thr Ser Leu Lys Ser Glu Asp  
aca gcc atg tat tac tgt tca aga gat gac ggc tcc tac ggc tcc tat tac tat gct atg  
Thr Ala Met Tyr Tyr Cys Ser Arg Asp Gly Ser Tyr Gly Ser Tyr Tyr Ala Met  
gac tac tgg ggt caa gga acc tca gtc acc gtc tct tca gct agc  
Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser Ala Ser



**FIG. 5**